

## **REMARKS**

### **I. STATUS OF THE CLAIMS**

Claims 1-3, 5-24 and 26-29 are pending and under consideration.

Claims 12-23 and 27-29 are withdrawn from consideration.

Applicants note that although dependent claim 27 has been withdrawn from consideration, dependent claim 27 was neither addressed in the Election dated June 29, 2005 nor in the Response to the Election filed on July 29, 2005. Accordingly, Applicants respectfully request that opportunity to address the status of this claim in this response as follows.

Applicants note that since claim 27 is dependent from elected claim 26 which in turn is dependent from elected claim 1 and they are all drawn to a donor film, it is respectfully asserted that the examination of claim 27 would not be a burden to the Examiner and thus request that dependent claim 27 be rejoined with the originally elected claims.

Claims 1, 3 and 5-8 have been amended. Claims 4 and 25 have been cancelled without prejudice to or disclaimer of the subject matter recited therein.

Claims 1, 12, 17 and 24 are the independent claims.

No new matter is believed to have been added. Reconsideration is respectfully requested.

### **II. THE OBJECTION TO THE CLAIMS**

Claims 1 and 3 are objected to because of minor formalities.

Applicants respectfully traverse the objection of claim 1 for at least the following reason. Amending independent claim 1 to recite "for" instead of "of," makes the wording of dependent claims 2, 3, 5-7, 9-11, 26 and 27 inconsistent with the wording of claim 1 and furthermore, since "of" and "for" have substantially the same meaning, Applicants respectfully assert that such change is unnecessary. Accordingly, Applicants respectfully request that the objection to claim 1 be withdrawn.

Regarding the objection to claim 3, Applicants have been amended claim 3 in accordance with the Examiner's suggestions. Accordingly, Applicants respectfully request that the objection to claim 3 be withdrawn.

III. THE REJECTION UNDER 35 U.S.C. §112:

Claims 5, 7 and 8 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claims 5, 7 and 8 have been amended to correct the antecedent basis of several of the claimed elements. Proper support for the amendments to claims 5, 7 and 8 can be found in the specification at least at paragraphs [0044], [0046], [0050] and [0051].

Accordingly, Applicants believe that claims 5, 7 and 8 as amended fully comply with the requirements of 35 U.S.C. §112, second paragraph.

Accordingly, Applicants respectfully request that the rejection of claims 5, 7 and 8 under 35 U.S.C. §112, second paragraph be withdrawn.

IV. THE REJECTION OF CLAIMS 1-5, 7-11 AND 24-26 UNDER 35 U.S.C. §102(b) AS ANTICIPATED BY OR, IN THE ALTERNATIVE, UNDER 35 U.S.C. §103(a) AS OBVIOUS OVER KWON ET AL. (EP 0 851 714)

Applicants respectfully traverse this rejection for at least the following reason.

Independent claim 1, as amended, recites a donor film comprising, amongst other novel features, a transfer layer comprising at least one layer selected from the group consisting of a hole injection layer, a hole transporting layer, a hole blocking layer and an electron transporting layer.

Kwon discloses an EL device including a transfer layer formed of at least one material selected from the group consisting of a luminous material, a hole transfer low molecular weight compound, a hole transfer high molecular weight compound, an electron transfer low molecular weight compound and an electron transfer high molecular weight compound (page 3, lines 5-10).

However, Kwon fails to teach or suggest the hole blocking layer recited in amended independent claim 1.

Accordingly, Applicants respectfully assert that the rejection of claim 1 under 35 U.S.C. § 102 or 35 U.S.C. §103 should be withdrawn because Kwon fails to teach or suggest each feature of independent claim 1, as amended.

Furthermore, Applicants respectfully assert that the rejection of dependent claims 2, 3, 5,

7, 9-11 and 26 under 35 U.S.C. §§102 and 103 should be withdrawn at least because of their dependence from claim 1 and the reasons set forth above, and because the dependent claims include additional features which are not taught or suggested by the prior art. Therefore, it is respectfully submitted that claims 2, 3, 5, 7-11 and 26 also distinguish over the prior art.

Claim 4 has been cancelled without prejudice or disclaimer of the subject matter recited therein. Accordingly the rejection of claim 4 is moot.

Regarding the rejection of independent claim 24, Applicants respectfully traverse this rejection for at least the following reason.

Independent claim 24 recites a low molecular weight full color organic electroluminescent device fabricated by forming a **first electrode** by patterning the first electrode on a substrate, forming at least one **first organic film layer** on the first electrode by one of spin coating and a deposition method, forming an **emitting layer** to embody full color on a pixel region by a laser induced thermal imaging method, forming at least one **second organic film layer** on the emitting layer by one of spin coating and the deposition method, and forming a **second electrode** on the second organic film layer/layers.

Kwon discloses a method of forming a fine pattern for an organic thin film of an organic EL device. The EL device includes a **first electrode** 66 formed on a transparent substrate 65, a **light-absorbing layer** 62 and a **transfer layer** 63 sequentially deposited on a base film 61 to form a donor film 64 (page 8, lines 23-28). Then, the donor film 64 is arranged and a light source 67 is irradiated onto the donor film 64. The light source 67 activates the light-absorbing layer 62 via a transfer device and the base film 63 in sequence, and the light-absorbing layer 62 emits heat through a light heat conversion mechanism, and by the emitted heat, the transfer material of the transfer layer 63 is transferred onto the transparent electrode layer 66 formed on the transparent substrate 65 (page 8, lines 35-40). After forming the organic thin films such as the hole transfer layer, the emission layer and the electron transfer layer, a **second electrode layer** and an **insulation film** are formed thereon.

Accordingly, Kwon discloses a first electrode, a light-absorbing layer, a transfer layer, a second electrode layer and an insulation film formed on a substrate, but Kwon fails to teach or suggest at least one **second organic film layer** on the emitting layer by one of spin coating and the deposition method, and a **second electrode** on the second organic film layer/layers, as recited in independent claim 24.

Accordingly, Applicants respectfully assert that the rejection of claim 24 under 35 U.S.C. § 102 or 35 U.S.C. §103 should be withdrawn because Kwon fails to teach or suggest each feature of independent claim 24.

Regarding the rejection of claim 25, claim 25 has been cancelled without prejudice or disclaimer of the subject matter recited therein. Accordingly, the rejection of claim 25 is moot.

V. THE REJECTION OF CLAIMS 1-4, 6-9, 11, 24 AND 25 UNDER 35 U.S.C. §102(e) AS ANTICIPATED BY OR, IN THE ALTERNATIVE, UNDER 35 U.S.C. §103(a) AS OBVIOUS OVER AKAI (US2003/0045021)

Applicants respectfully traverse this rejection for at least the following reason.

Independent claim 1, as amended, recites a donor film comprising, amongst other novel features, a transfer layer, wherein the transfer layer comprises at least one layer selected from the group consisting of a hole injection layer, a hole transporting layer, a hole blocking layer and an electron transporting layer.

Akai discloses an organic EL display device 11 which includes a substrate, a first electrode provided on the substrate, an organic film provided on the first electrode, a protection layer provided on the organic film, and a transparent common second electrode provided on the protection layer. The organic film includes an electron injection and transportation layer, a light emitting layer and a hole injection and transportation layer [paragraph 0078]. Exemplary materials for the hole injection and transportation layer include oxadiazole materials, pyrazoline materials, copper phthalocyanine (CuPc) and hydrazone materials [0095]. Therefore, although Akai discloses an organic EL display device including a substrate, a light-to-heat conversion layer and a heat conduction layer and an organic film including the hole injection and transportation layer [0086 through 0088], Akai fails to teach or suggest a hole blocking layer as recited in amended independent claim 1.

Accordingly, Applicants respectfully assert that the rejection of claim 1 under 35 U.S.C. §§ 102 or 103 should be withdrawn because Akai fails to teach or suggest each feature of independent claim 1, as amended.

Furthermore, Applicants respectfully assert that the rejection of dependent claims 2, 3, 6, 7, 8, 9 and 11 under 35 U.S.C. §§102 and 103 should be withdrawn at least because of their dependence from claim 1 and the reasons set forth above, and because the dependent claims include additional features which are not taught or suggested by the prior art. Therefore, it is

respectfully submitted that claims 2, 3, 6, 7, 8, 9 and 11 also distinguish over the prior art.

Claims 4 and 25 have been cancelled without prejudice or disclaimer of the subject matter recited therein. Accordingly the rejection of claims 4 and 25 is moot.

Regarding the rejection of independent claim 24, Applicants respectfully traverse this rejection for at least the following reason.

Independent claim 24 recites a low molecular weight full color organic electroluminescent device fabricated by forming a **first electrode** by patterning the first electrode on a substrate, forming at least one **first organic film layer** on the first electrode by one of spin coating and a deposition method, forming an **emitting layer** to embody full color on a pixel region by a laser induced thermal imaging method, forming at least one **second organic film layer** on the emitting layer by one of spin coating and the deposition method, and forming a **second electrode** on the second organic film layer/layers.

Akai discloses an organic EL device including a common substrate 101, a first electrode 102, an organic film 103 comprising at least a light emitting layer, and a second electrode 105 [0015].

Therefore, Akai fails to teach or suggest at least one **second organic film layer** on the emitting layer by one of spin coating and the deposition method, and forming a **second electrode** on the second organic film layer/layers, as recited in independent claim 24.

Accordingly, Applicants respectfully assert that the rejection of claim 24 under 35 U.S.C. §§ 102 or 103 should be withdrawn because Akai fails to teach or suggest each feature of independent claim 24.

## VI. CONCLUSION

There being no further outstanding objections or rejections, it is submitted that the application is in condition for allowance. An early action to that effect is courteously solicited.

Finally, if there are any formal matters remaining after this response, the Examiner is requested to telephone the undersigned to attend to these matters.

If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account No. 503333.

Respectfully submitted,

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